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ARAPEN RB 320

Grease

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Product Description

Exxon ARAPEN RB 320 is a high performance long-life grease developed for the roller bearings of railroad car journals where no provision is provided for in-service re-lubrication. It is formulated with a mineral base fluid and a mixed lithium / calcium soap thickener. ARAPEN RB 320 grease has the high oxidation stability required to maintain good lubrication throughout extended periods of service or storage. It is highly resistant to chemical deterioration that might otherwise produce acids or deposits that are detrimental to long bearing life. ARAPEN RB 320 grease has exceptional ability to withstand shear, i.e. retain consistency after prolonged working, as in the churning action of an anti-friction bearing. This grease has been shown to have little effect on seal materials. Largely because of its special calcium-lithium-soap base, ARAPEN RB 320 grease has a high resistance to structural change in the presence of water. It is also inhibited to give protection against rusting.

ARAPEN RB 320 is fully approved against Specification M942-98 of the Association of American Railroads for Journal Roller Bearings Grease for non-field lubricated bearing applications. It is used by major manufacturers of railroad journal bearings as the factory-fill lubricant. ARAPEN RB 320 has an application temperature range of - 20° C to + 120° C.

Features & Benefits

ARAPEN RB 320 railroad car journal bearing grease offers the following features and benefits:

- Approved against AAR specification M-942-98
- Formulated for long service life over a wide range of climatic conditions
- Exhibits excellent oxidation stability, shear stability, seal compatibility, and water resistance for extended grease life and equipment integrity

Applications

- Roller bearings of railroad car journals where no provision is provided for in-service re-lubrication.
- Factory fill lubricant of major railroad journal bearing manufacturers

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Specifications & Approvals

ARAPEN RB 320 has the following builder approvals:

AAR M942-98 Timken Bearing Co.

Typical Properties

ARAPEN RB 320

NLGI Grade	1.5
Thickener Type	Lithium/Calcium soap
Color, Visual	Light Amber
Penetration, Worked, 25° C, ASTM D 217	305
Dropping Point, °C, ASTM D 2265	180
Viscosity of Oil, ASTM D	

445

cSt @ 100° C 14.7

Penetration, ASTM D 217, Change from 60X to 100,000X, mm/10 +20

Emcor Rust, ASTM D 6138, Distilled Water 0/0

Oxidation Stability, ASTM D 942: pressure drop at 100 hrs, psi pressure drop at 500 hrs, psi 3

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Based on available information, this product is not expected to produce adverse effects on health when used for the intended application and the recommendations provided in the Material Safety Data Sheet (MSDS) are followed. MSDS's are available upon request through your sales contract office, or via the Internet. This product should not be used for purposes other than its intended use. If disposing of used product, take care to protect the environment.

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